

## Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>INDIANA, South Central</b>				
<b>PERRY COUNTY --- 0.9 N ORIOLE [38.18, -86.50], 1.0 NNE ORIOLE [38.18, -86.49]</b>				
	06/19/11 06:31 EST		0	Tornado (EF0, L: 0.20 mi , W: 65 yd)
	06/19/11 06:32 EST		0	Source: NWS Storm Survey
Damage to trees on both sides of State Route 66 was observed where this road takes a brief northeast jog around 1.2 miles northeast of Oriole. Approximately 10 to 15 trees had either toppled or had their tops snapped. With such a brief touchdown, damage could only be observed for around 0.2 miles.				
<b>CRAWFORD COUNTY --- 0.5 E ENGLISH [38.33, -86.46]</b>				
	06/19/11 06:33 EST		0	Thunderstorm Wind (EG 52 kt)
	06/19/11 06:33 EST		0	Source: Emergency Manager
The Emergency Manager stated that numerous trees were downed around the county.				
<b>ORANGE COUNTY --- 0.7 S VALEENE [38.42, -86.40]</b>				
	06/19/11 06:35 EST		0	Thunderstorm Wind (EG 52 kt)
	06/19/11 06:35 EST		0	Source: Emergency Manager
Several trees were downed around Valeene.				
<b>WASHINGTON COUNTY --- 1.8 WNW FREDDRICKSBURG [38.44, -86.21]</b>				
	06/19/11 06:47 EST		0	Thunderstorm Wind (EG 56 kt)
	06/19/11 06:47 EST		0	Source: Fire Department/Rescue
The roof was blown off the Posey Township Fire House. Some bleachers and an announcer's booth were blown about 50 yards.				
<b>HARRISON COUNTY --- NEW SALISBURY [38.32, -86.10]</b>				
	06/19/11 06:53 EST		0	Thunderstorm Wind (EG 52 kt)
	06/19/11 06:53 EST		0	Source: Law Enforcement
Local law enforcement reported that numerous trees and power lines were downed near New Salisbury.				
<b>SCOTT COUNTY --- 0.9 NW SCOTTSBURG [38.69, -85.78]</b>				
	06/19/11 07:30 EST		0	Thunderstorm Wind (EG 52 kt)
	06/19/11 07:30 EST		0	Source: County Official
County officials reported that trees and power lines were downed near Scottsburg.				
<b>JEFFERSON COUNTY --- 1.8 WSW KENT [38.72, -85.56]</b>				
	06/19/11 07:33 EST		0	Thunderstorm Wind (EG 52 kt)
	06/19/11 07:33 EST		0	Source: Emergency Manager
Two trees were downed along State Highway 56 just east of the Scott County Line.				
<b>A severe squall line moved east along the Ohio River west of Louisville during the early morning hours on June 19th. Along with widespread damaging winds, several tornadoes developed along the leading edge of the gust front across southern Indiana and Central Kentucky.</b>				
<b>HARRISON COUNTY --- 1.9 S NEW MIDDLETOWN [38.14, -86.05], 1.9 S NEW MIDDLETOWN [38.14, -86.05]</b>				
	06/22/11 18:27 EST		5K	Tornado (EF0, L: 0.30 mi , W: 75 yd)
	06/22/11 18:28 EST		0	Source: NWS Storm Survey
Touching down in the 3900 block of Elizabeth-New Middletown Road, this weak EF-0 tornado damaged a row of trees next to a home. It also removed some flashing from this home before crossing Elizabeth-New Middletown Road and entering a wooded area. Several large limbs were broken off within the forest canopy before the tornado lifted. The same storm later spawned a tornado 15 miles east that damaged several horse barns at Churchill Downs in Louisville, Kentucky.				
<b>A cold front associated with a vigorous closed low over the Upper Midwest approached the Ohio River during the late afternoon. Several storms developed to the west of Louisville during the late afternoon hours. Despite limited moisture and instability, a strong jet aloft and directional wind shear led to rotating low-topped supercells. One such storm led to a weak tornado in Harrison County, Indiana. This</b>				

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storm moved east into Louisville, KY and produced a second tornado that damaged horse barns at Churchill Downs.				
<b>DUBOIS COUNTY --- 0.4 S IRELAND [38.41, -87.00]</b>				
	06/26/11 01:50 EST		0	Thunderstorm Wind (EG 50 kt)
	06/26/11 01:50 EST		0	Source: Public
A tree was downed due to thunderstorm winds in Ireland.				
<b>DUBOIS COUNTY --- 0.5 WNW MILLERSPORT [38.33, -87.03], 1.9 SSE MILLERSPORT [38.30, -87.01]</b>				
	06/26/11 01:54 EST		15K	Tornado (EF1, L: 2.20 mi , W: 130 yd)
	06/26/11 01:57 EST		0	Source: NWS Storm Survey
A tornado touched down around 154 am EST 0.4 miles north of Duff. It then tracked south-southeast across Duff and lifted at 157 am EST 1.9 miles southeast of Duff just west of the the intersection of County Road W 500 S and West Duff Road S.E. Several homes around Duff had minor roof damage and a large sunroom was destroyed. An SUV was crumpled when a tree fell on it. Numerous hard and softwood trees were downed southeast of Duff.				
<b>PERRY COUNTY --- 3.3 SW ADYEVILLE [38.16, -86.81], 2.1 S ADYEVILLE [38.17, -86.77]</b>				
	06/26/11 02:14 EST		0	Tornado (EF1, L: 2.30 mi , W: 200 yd)
	06/26/11 02:17 EST		0	Source: NWS Storm Survey
This tornado had a total path length of 2.3 miles and touched down in Spencer County 0.7 miles south of Saint Meinrad. After entering Perry County, this twister remained on the ground for 1.4 miles from approximately 1:14 CST to 1:17 CST. A damage survey found that this tornado rated an EF-1 with a maximum width of 200 yards. After destroying a cinder block outbuilding near the Saint Meinrad Seminary, the tornado entered Perry County and uprooted numerous trees along a narrowing path, finally lifting just off Catnip Road.				
<b>PERRY COUNTY --- 0.5 W TROY [38.00, -86.81], 1.8 E TROY [38.00, -86.77]</b>				
	06/26/11 02:17 EST		4K	Thunderstorm Wind (EG 70 kt)
	06/26/11 02:20 EST		0	Source: NWS Storm Survey
Numerous trees were uprooted and snapped over a broad area just north of the Ohio River from west to east of Troy. Roof damage occurred to a 2-story building in Troy.				
<b>WASHINGTON COUNTY --- 3.0 NNW MT CARMEL [38.76, -86.28], 3.5 NW MT CARMEL [38.76, -86.29], 3.5 NNW MT CARMEL [38.76, -86.28], 3.2 NNW MT CARMEL [38.76, -86.28]</b>				
	06/26/11 03:30 EST		0	Flash Flood (due to Heavy Rain)
	06/26/11 03:30 EST		0	Source: Law Enforcement
White River Road was closed due to flooding from a heavy thunderstorm.				
<b>JEFFERSON COUNTY --- DEPUTY [38.80, -85.65], 1.6 W DEPUTY [38.80, -85.68], 1.9 WNW DEPUTY [38.81, -85.68], 1.0 NNE DEPUTY [38.81, -85.65]</b>				
	06/26/11 08:35 EST		0	Flood (due to Heavy Rain)
	06/27/11 01:20 EST		0	Source: COOP Observer
The Muscatatuck River at Deputy, IN crested at 25.3 feet around 3 PM EST on June 26. Flood stage at Deputy is 20 feet. Minor flooding occurs at this level, with some county roads under water in northeastern Jefferson County, IN.				
<b>A strong bow echo brought sporadic damaging winds and two tornadoes to southwestern Indiana during the early morning hours on the 26th of June. The two tornadoes were embedded within the leading edge of the squall line.</b>				
<b>JEFFERSON COUNTY --- DEPUTY [38.80, -85.65], 0.5 E DEPUTY [38.80, -85.64], 0.8 SE DEPUTY [38.79, -85.64], 0.6 S DEPUTY [38.79, -85.65]</b>				
	06/26/11 09:35 EST		0	Flood (due to Heavy Rain)
	06/27/11 02:20 EST		0	Source: River/Stream Gage
Heavy rains brought minor flooding to the Muscatatuck River at Deputy on the 26th of June. The river crested at 25.3 feet during the afternoon of the 26th. Flood stage is 20 feet.				
<b>Repeated rains in late June brought minor flooding to the Muscatatuck River in Scott County, Indiana.</b>				

### KENTUCKY, Central

**OHIO COUNTY --- 1.1 W DUKEHURST [37.52, -86.89]**

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	06/05/11 10:53 CST		0	Thunderstorm Wind (EG 52 kt)
	06/06/11 10:53 CST		0	Source: Public
A tree fell on a house.				
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<b>BUTLER COUNTY --- 0.9 SE ROCHESTER [37.21, -86.89]</b>				
	06/05/11 10:58 CST		0	Thunderstorm Wind (EG 52 kt)
	06/05/11 10:58 CST		0	Source: Broadcast Media
Local media reported a tree down in the town of Rochester.				
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<b>WARREN COUNTY --- 0.9 SW BOWLING GREEN [36.97, -86.44]</b>				
	06/05/11 11:40 CST		3K	Thunderstorm Wind (EG 60 kt)
	06/05/11 11:40 CST		0	Source: Trained Spotter
A spotter reported numerous trees down across Bowling Green. A Wendy's sign was blown down.				
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<b>WARREN COUNTY --- 0.9 SW BOWLING GREEN [36.97, -86.44]</b>				
	06/05/11 11:50 CST		0	Hail (1.00 in)
	06/05/11 11:50 CST		0	Source: Trained Spotter
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<b>WARREN COUNTY --- 0.9 NW PLANO [36.89, -86.43]</b>				
	06/05/11 11:54 CST		0	Thunderstorm Wind (EG 56 kt)
	06/05/11 11:54 CST		0	Source: Trained Spotter
Gusty thunderstorm winds removed a portion of the roof of a large barn. Several trees were damaged nearby.				
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<b>WARREN COUNTY --- 0.9 SW BOWLING GREEN [36.97, -86.44]</b>				
	06/05/11 11:54 CST		10K	Thunderstorm Wind (EG 56 kt)
	06/05/11 11:54 CST		0	Source: Broadcast Media
Local media noted numerous power outages across Bowling Green.				
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<b>WARREN COUNTY --- 1.3 ENE RICH POND [36.91, -86.48]</b>				
	06/05/11 11:58 CST		0	Hail (1.00 in)
	06/05/11 11:58 CST		0	Source: CoCoRaHS
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<b>WARREN COUNTY --- 1.3 ENE RICH POND [36.91, -86.48]</b>				
	06/05/11 11:58 CST		0	Thunderstorm Wind (MG 57 kt)
	06/05/11 11:58 CST		0	Source: CoCoRaHS
An observer measured a 63 mph wind gust.				
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<b>ALLEN COUNTY --- 1.1 W SCOTTSVILLE [36.75, -86.20]</b>				
	06/05/11 12:26 CST		0	Thunderstorm Wind (EG 52 kt)
	06/05/11 12:26 CST		0	Source: Law Enforcement
Law enforcement reported numerous trees and power lines down across Scottsville and the surrounding area.				
<b>Strong early afternoon storms on June 5th brought marginally severe hail and wind damage across portions of southern Kentucky centered around Bowling Green.</b>				
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<b>CASEY COUNTY --- 1.1 ESE PHIL [37.21, -84.95]</b>				
	06/09/11 14:55 EST		0	Thunderstorm Wind (EG 52 kt)
	06/09/11 14:55 EST		0	Source: Trained Spotter
Two trees were downed across State Highway 910 near Phil.				
<b>Several isolated strong storms developed during the afternoon of June 9th. One storm in Casey County produced a wet microburst that downed a couple of trees.</b>				
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<b>BARREN COUNTY --- 1.8 NW GLASGOW [37.00, -85.92]</b>				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/11/11 20:44 CST		0	Thunderstorm Wind (EG 52 kt)
	06/11/11 20:44 CST		0	Source: Law Enforcement
Law enforcement reported several trees down near Glasgow.				
<b>LOGAN COUNTY --- OLMSTEAD [36.75, -87.02]</b>				
	06/11/11 21:01 CST		0	Thunderstorm Wind (EG 52 kt)
	06/11/11 21:01 CST		0	Source: Law Enforcement
Several trees were downed by thunderstorm winds in the small town of Olmstead.				
<b>LOGAN COUNTY --- 1.3 ESE JERICO [36.99, -86.95]</b>				
	06/11/11 21:12 CST		0	Thunderstorm Wind (EG 52 kt)
	06/11/11 21:12 CST		0	Source: Law Enforcement
Law enforcement reported several powerlines down near Lewisburg.				
<b>A strong storm during the late evening hours on June 11th brought isolated wind damage to Logan and Barren Counties.</b>				
<b>JESSAMINE COUNTY --- 3.0 SSE NICHOLASVILLE [37.83, -84.55]</b>				
	06/15/11 11:10 EST		0	Thunderstorm Wind (EG 52 kt)
	06/15/11 11:10 EST		0	Source: Law Enforcement
Power lines were downed near Sulfur Well.				
<b>OHIO COUNTY --- 3.0 SSE DEANEFIELD [37.63, -86.80]</b>				
	06/15/11 15:22 CST		0	Hail (1.25 in)
	06/15/11 15:22 CST		0	Source: Trained Spotter
A spotter estimated one half dollar sized hail.				
<b>GRAYSON COUNTY --- 3.0 SW YEAMAN [37.49, -86.62]</b>				
	06/15/11 15:50 CST		0	Hail (2.50 in)
	06/15/11 15:50 CST		0	Source: Trained Spotter
Hail up to the size of tennis balls fell from a supercell that had earlier split.				
<b>OHIO COUNTY --- 3.0 NNE BAIZETOWN [37.41, -86.70]</b>				
	06/15/11 16:03 CST		0	Hail (1.75 in)
	06/15/11 16:03 CST		0	Source: Public
<b>BUTLER COUNTY --- MORGANTOWN [37.22, -86.70]</b>				
	06/15/11 16:55 CST		0	Hail (1.75 in)
	06/15/11 16:55 CST		0	Source: Broadcast Media
<b>BUTLER COUNTY --- 3.0 SW MORGANTOWN [37.19, -86.74]</b>				
	06/15/11 17:00 CST		0	Hail (1.75 in)
	06/15/11 17:00 CST		0	Source: Public
Public reported golf ball sized hail that fell between 552 and 607 pm CDT.				
<b>WARREN COUNTY --- 2.0 S RIVERSIDE [37.14, -86.55]</b>				
	06/15/11 17:33 CST		0	Hail (1.00 in)
	06/15/11 17:33 CST		0	Source: Trained Spotter
<b>WARREN COUNTY --- SMITHS GROVE [37.05, -86.22]</b>				
	06/15/11 17:45 CST		0	Hail (1.25 in)
	06/15/11 17:45 CST		0	Source: Trained Spotter
<b>HANCOCK COUNTY --- 5.0 E LEWISPORT [37.93, -86.81]</b>				

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	06/15/11 17:46 CST		0	Thunderstorm Wind (EG 52 kt)
	06/15/11 17:46 CST		0	Source: Broadcast Media

A fully mature tree knocked down in northern Hancock County. Several power lines were downed as well.

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### BRECKINRIDGE COUNTY --- CLOVERPORT [37.83, -86.63]

06/15/11 18:17 CST	0	Hail (1.00 in)
06/15/11 18:17 CST	0	Source: Law Enforcement

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### ALLEN COUNTY --- 2.0 N SCOTTSVILLE [36.78, -86.18]

06/15/11 18:20 CST	0	Thunderstorm Wind (EG 60 kt)
06/15/11 18:20 CST	0	Source: Law Enforcement

Gusty winds knocked down 2 trees just north of Scottsville.

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### MONROE COUNTY --- FOUNTAIN RUN [36.72, -85.95]

06/15/11 18:38 CST	0	Hail (1.00 in)
06/15/11 18:38 CST	0	Source: Broadcast Media

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### BRECKINRIDGE COUNTY --- MC DANIELS [37.60, -86.43]

06/15/11 18:53 CST	0	Hail (1.50 in)
06/15/11 18:53 CST	0	Source: Trained Spotter

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### GRAYSON COUNTY --- CLARKSON [37.50, -86.22]

06/15/11 19:13 CST	0	Hail (1.00 in)
06/15/11 19:13 CST	0	Source: Trained Spotter

After an early morning Mesoscale Convective System moved east, strong instability redeveloped during the afternoon and evening hours ahead of an occluded front associated with an upper level low over the upper Midwest. Very strong instability, coupled with moderate northwest 500mb flow and seasonably low freezing levels, led to the development of scattered severe thunderstorms that produced up to tennis ball sized hail. A few of the storms also produced wind gusts that downed trees and power lines.

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### HANCOCK COUNTY --- PATESVILLE [37.78, -86.72]

06/19/11 05:20 CST	0	Thunderstorm Wind (EG 52 kt)
06/19/11 05:20 CST	0	Source: Emergency Manager

A tree was reported downed across State Highway 144 E in Patesville. A second tree was toppled along State Road 2181 Between Pellsville and Hawesville.

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### BUTLER COUNTY --- ABERDEEN [37.25, -86.68]

06/19/11 05:38 CST	0	Thunderstorm Wind (EG 52 kt)
06/19/11 05:38 CST	0	Source: COOP Observer

A COOP observer noted several trees downed near Aberdeen.

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### BRECKINRIDGE COUNTY --- 0.2 S HARNED [37.75, -86.42], 1.0 ESE HARNED [37.75, -86.40]

06/19/11 05:39 CST	50K	Tornado (EF2, L: 1.00 mi , W: 60 yd)
06/19/11 05:42 CST	0	Source: NWS Storm Survey

The tornado first touched down at the west end of H Wilson Road as an EF-0, where around one dozen trees were snapped and uprooted. A barn collapsed when an oak tree fell on it. At the intersection of State Highway 79 and H Wilson Road, EF-2 damage occurred when a roof was torn from a home and thrown 60 yards. A 30 by 50 foot barn was thrown 200 yards and metal sheeting was thrown 300 yards. Several power poles were found leaning over State Highway 79. This tornado dissipated after snapping and uprooting several trees between State Highway 79 and Harned Locust Hill Road.

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### BRECKINRIDGE COUNTY --- 1.2 NW LOCUST HILL [37.74, -86.39], 1.1 NW LOCUST HILL [37.74, -86.38]

06/19/11 05:43 CST	5K	Tornado (EF0, L: 0.10 mi , W: 60 yd)
06/19/11 05:44 CST	0	Source: NWS Storm Survey

This weak EF-0 Tornado was only briefly on the ground. Along Route 1401, winds estimated at 80 mph tore roof panels off of a large well constructed barn and threw them 200 yards.

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<b>MEADE COUNTY --- BATTLETOWN [38.07, -86.30]</b>				
	06/19/11 06:40 EST		0	Thunderstorm Wind (EG 60 kt)
	06/19/11 06:40 EST		0	Source: NWS Employee
Several trees were downed along Big Bend Road near Battletown.				
<b>BARREN COUNTY --- 1.8 SW GOODNIGHT [37.06, -85.92]</b>				
	06/19/11 06:43 CST		0	Thunderstorm Wind (EG 52 kt)
	06/19/11 06:43 CST		0	Source: Emergency Manager
Two trees were downed by thunderstorm winds along Old Mumfordsville Road north of Glasgow.				
<b>MEADE COUNTY --- FLAHERTY [37.83, -86.07]</b>				
	06/19/11 07:00 EST		0	Thunderstorm Wind (EG 60 kt)
	06/19/11 07:00 EST		0	Source: NWS Employee
Several trees were downed on Coleman Road in eastern Meade County.				
<b>JEFFERSON COUNTY --- 1.5 SSE VALLEY STATION [38.10, -85.86]</b>				
	06/19/11 07:06 EST		0	Thunderstorm Wind (EG 52 kt)
	06/19/11 07:06 EST		0	Source: Public
The public reported a tree down on a house near the Valley Station subdivision.				
<b>JEFFERSON COUNTY --- 1.5 NNE CORAL RIDGE [38.10, -85.69]</b>				
	06/19/11 07:15 EST		0	Thunderstorm Wind (EG 52 kt)
	06/19/11 07:15 EST		0	Source: NWS Employee
A NWS employee reported a large tree downed.				
<b>WASHINGTON COUNTY --- 0.7 N SPRINGFIELD [37.69, -85.22]</b>				
	06/19/11 07:52 EST		0	Thunderstorm Wind (EG 52 kt)
	06/19/11 07:52 EST		0	Source: Emergency Manager
Several trees were downed along Depot Street and 150 Valley Hill Road in the town of Springfield.				
<b>FAYETTE COUNTY --- 1.3 WNW JONESTOWN [37.99, -84.52]</b>				
	06/19/11 08:35 EST		0	Thunderstorm Wind (EG 52 kt)
	06/19/11 08:35 EST		0	Source: Trained Spotter
Three trees were downed in the Stone Creek Subdivision in the south side of Lexington.				
<b>A severe squall line moved east along the Ohio River west of Louisville during the early morning hours on June 19th. Along with widespread damaging winds, several tornadoes developed along the leading edge of the gust front across southern Indiana and Central Kentucky.</b>				
<b>BULLITT COUNTY --- 1.3 ENE LIMESTONE [37.94, -85.65]</b>				
	06/21/11 14:30 EST		0	Thunderstorm Wind (EG 52 kt)
	06/21/11 14:30 EST		0	Source: Emergency Manager
A tree fell across some power lines on Deatsville Road off of Cedar Grove Road.				
<b>CLINTON COUNTY --- 0.9 NW BUG [36.66, -85.11]</b>				
	06/21/11 15:33 CST		0	Thunderstorm Wind (EG 52 kt)
	06/21/11 15:33 CST		0	Source: County Official
County Dispatch reported that trees and power lines were downed countywide. Specifically, trees had fallen at the intersection of State Road 127 South and Spring Creek Bridge roads, and in the Cedar Hill Community.				
<b>HARRISON COUNTY --- 2.6 WSW COLVILLE [38.35, -84.24]</b>				

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	06/21/11 17:00 EST		0	Thunderstorm Wind (EG 52 kt)
	06/21/11 17:00 EST		0	Source: Law Enforcement

Emergency Dispatch reported several trees downed near Wornall Lane, which is just to the west of Colville.

**Strong instability during the late afternoon led to widely scattered strong storms with isolated wind damage across portions of central Kentucky.**

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<b>JEFFERSON COUNTY --- 2.2 S LOUISVILLE [38.20, -85.77], 1.2 WNW AUDUBON PARK [38.20, -85.75]</b>				
	06/22/11 19:04 EST		0.40M	Tornado (EF2, L: 1.20 mi , W: 120 yd)
	06/22/11 19:07 EST		0	Source: NWS Storm Survey

This tornado touched down just southwest of an area of horse barns on the south side of Churchill Downs. Five barns, which also contained apartments for many workers, had major sections of their roofs removed, with minor damage to several others. In the buildings most heavily damaged, parts of supporting walls made from cinder blocks collapsed. Christ Church, located on the Churchill Downs property, also had roof and siding damage. After snapping trees and downing power lines for several blocks to the east of Churchill, the tornado crossed a large stadium parking lot, strengthening to low-end EF-2 intensity near the intersection of Floyd Street and Central Avenue. At this location, just 300 yards southeast of the University of Louisville's football stadium, a large industrial building was heavily damaged, with a collapsed 2-story cinder block wall and a 150-foot section of roof removed from the warehouse. A 30' x 80' section of roof over an adjacent office building was also torn off. The tornado downed several more trees and did minor roof damage to a Super 8 Motel and other office buildings before lifting north of the intersection of Crittenden Drive and Central Avenue near an entrance ramp onto Interstate 65.

Despite the most heavily damaged Churchill Downs buildings being occupied by numerous racing horses and at least three workers at the time of the tornado, no injuries were sustained by either the animals or their handlers. One man was in an upstairs room when the roof above him was ripped off, while two others were in a ground-floor apartment where cinder blocks fell from an exterior wall.

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<b>JEFFERSON COUNTY --- 0.7 S STRATHMOOR MANOR [38.19, -85.62], 0.7 SW JEFFERSONTOWN [38.19, -85.58]</b>				
	06/22/11 20:29 EST		0.15M	Tornado (EF1, L: 1.90 mi , W: 150 yd)
	06/22/11 20:33 EST		0	Source: NWS Storm Survey

This tornado was the first of three separate touchdowns associated with a single supercell that tracked across the southern portion of Jefferson County. Initially, this tornado touched down at EF-0 strength near the intersection of Nachand Lane and Nachand Spring Lane where minor shingle damage and snapped trees were surveyed. After moving into the Hurstbourne Woods subdivision, the twister damaged a locked pool gate and blew it 35 yards downwind. This subdivision sustained EF-1 damage with gutters, soffits, and siding from various structures deposited in trees. At 9407 Willowood Way, roof damage was noted, along with many uprooted hardwood and softwood trees. After making a brief 25 degree northward turn near the end of its life, the tornado brought minor roof damage before lifting near the intersection of Lisa Lane and Calais Drive.

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<b>JEFFERSON COUNTY --- 0.5 W ANCHORAGE [38.27, -85.54], 0.6 W ANCHORAGE [38.27, -85.54], 0.4 WSW ANCHORAGE [38.27, -85.54], 0.4 W ANCHORAGE [38.27, -85.54]</b>				
	06/22/11 20:34 EST		0	Flood (due to Heavy Rain)
	06/22/11 20:50 EST		0	Source: NWS Employee

An NWS employee reported around 1.5 inches of rain within an hour and one half with minor street flooding.

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<b>JEFFERSON COUNTY --- 0.6 SW JEFFERSONTOWN [38.19, -85.58], 1.1 W TUCKER STATION [38.20, -85.55]</b>				
	06/22/11 20:34 EST		0.18M	Tornado (EF2, L: 1.60 mi , W: 100 yd)
	06/22/11 20:37 EST		0	Source: NWS Storm Survey

The public reported a second tornado touchdown near the same time and location where the first one ended. After touching down just east of Saint Edward Catholic Church on Sue Helen Drive, this tornado uprooted trees and damaged the roofs of around one dozen homes along Saint Edwards Drive. Damage also was surveyed along Charlane Parkway and Dell Road. At the corner of Maple Road and Galene Drive, a large section of an oak tree split and was driven into a wall at Tully School. Low end EF-2 structural and roof damage was also noted at the Good Samaritan Society Nursing Home. Two vehicles in a parking lot were flipped and moved 25 feet. After briefly lifting, this tornado then damaged both Dillard's and Machinery Specialty's warehouses along Electron Drive. The brick facades of both building were pushed out. After throwing a small shed 30 yards near the Dillard's Warehouse, the twister lifted just near the intersection of Electron Drive and Ampere Drive.

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<b>JEFFERSON COUNTY --- 1.0 W TUCKER STATION [38.20, -85.55], 2.1 WSW EASTWOOD [38.22, -85.48]</b>				
	06/22/11 20:38 EST		75K	Tornado (EF1, L: 3.50 mi , W: 60 yd)
	06/22/11 20:45 EST		0	Source: NWS Storm Survey

## Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
The last in a series of tornadoes spawned by the same storm touched down near the intersection of Electron and Ampere Drives, near the same location that the second twister lifted. This tornado was intermittently on the ground for 3.5 miles, crossing Interstate 265 and lifting just east of 1600 South English Station Road. Near the touchdown point, an air-conditioning unit was blown off the roof of JCK Enterprises. Several corporate buildings and warehouses on Electron Drive had roof and siding damage. EF-1 damage to some steel framing and stucco was noted at the Oxmoor Collision Center and the RBI Corporation. More than one dozen trees were uprooted around the Tucker House Bed and Breakfast on Tucker Station Road. The public reported a rope like tornado lifting just west of Interstate 265 and touching down again near 1600 South English Station Road. EF-0 damage was noted to several trees and a satellite dish at this location.				

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### MEADE COUNTY --- 1.6 E BRANDENBURG [38.00, -86.14]

06/22/11 21:01 EST	0	Thunderstorm Wind (EG 52 kt)
06/22/11 21:01 EST	0	Source: NWS Employee

An off duty employee estimated a 60 mph wind gust.

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### JEFFERSON COUNTY --- 0.3 WNW ST MATTHEWS [38.25, -85.63], 0.4 NW ST MATTHEWS [38.25, -85.63], 0.3 N ST MATTHEWS [38.25, -85.63], 0.1 NW ST MATTHEWS [38.25, -85.63]

06/22/11 21:23 EST	0	Flood (due to Heavy Rain)
06/22/11 21:40 EST	0	Source: Trained Spotter

Flash flooding affected Tyne and Cordova Roads, which are located north of the 4400 block of Shelbyville Road.

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### JEFFERSON COUNTY --- 0.3 SSW ST REGIS PARK [38.23, -85.55], 0.3 S ST REGIS PARK [38.23, -85.55], 0.1 SSE ST REGIS PARK [38.23, -85.55], 0.1 S ST REGIS PARK [38.23, -85.55]

06/22/11 22:34 EST	0	Flash Flood (due to Heavy Rain)
06/22/11 22:50 EST	0	Source: County Official

Louisville metropolitan officials reported 4 feet of water over Watterson Trail.

A deep occluded closed low across the Upper Midwest brought a cold front and wind shift along the Ohio River during the early evening hours on June 22nd. Scattered storms developed to the west of Louisville during the late afternoon and intensified as they moved east into Jefferson County, Kentucky. Although instability was marginal, a jet streak aloft combined with directional wind shear closer the the surface allowed several low topped supercells to develop just to the west of Louisville. The first storm generated a tornado that damaged several horse barns at Churchill Downs and destroyed a large industrial building just southeast of the University of Louisville's football stadium. A second rotating supercell tracked just to the south of the first storm, spawning three brief tornadoes along a west to east path in the eastern part of the Louisville Metro area.

*The world-famous Churchill Downs racetrack, home of the first leg of racing's Triple Crown - the Kentucky Derby - can be seen on the right side of this photo showing damage to several horse barns and Christ Church. The tornado, which passed from the upper left to the bottom right of this photo, caused EF-1 damage at Churchill Downs. Photo credit: Michael Dossett*

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### HANCOCK COUNTY --- 4.1 W WAITMAN [37.90, -87.03], 1.1 S LEWISPORT [37.91, -86.90]

06/26/11 01:16 CST	0.10M	Thunderstorm Wind (EG 91 kt)
06/26/11 01:18 CST	0	Source: NWS Storm Survey

Numerous trees were downed and several barns and other industrial buildings were damaged in a 1 1/2 mile wide swath that stretched for about 6 miles just west-southwest of Lockport. Evidence of both cyclonic and anti-cyclonic rotation of downed trees and debris was observed by the NWS damage surveyor at the eastern end of the area, where the greatest damage occurred, including the destruction of a large, well-built metal barn and another, smaller industrial outbuilding. Interior damage of walls occurred to living quarters attached to the metal barn. Farther west, a wooden barn was pushed eastward 3 feet off its foundation.

A strong bow echo brought damaging winds to Hancock County during the early morning hours on the 26th of June. A NWS Damage Survey noted areas of both cyclonic and anticyclonic rotation in the damage, indicating the likelihood of several gustnadoes.

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### BRECKINRIDGE COUNTY --- MC QUADY [37.70, -86.52]

06/27/11 13:26 CST	0	Thunderstorm Wind (EG 52 kt)
06/27/11 13:26 CST	0	Source: Trained Spotter

Outflow winds associated with a decaying thunderstorm downed several trees in the McQuady area.

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### HARDIN COUNTY --- 0.2 ENE ELIZABETH TOWN [37.70, -85.87]

06/27/11 14:35 EST	0	Thunderstorm Wind (MG 54 kt)
06/27/11 14:35 EST	0	Source: Mesonet

Outflow winds from a decaying thunderstorm brought a 62 mph wind gust to a Kentucky Mesonet site in Elizabethtown.



## Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>A strong outflow boundary from a decaying thunderstorm brought damaging winds to at least two counties in west central Kentucky. No rain accompanied these winds.</b>				
<b>BUTLER COUNTY --- MORGANTOWN [37.22, -86.70], 0.8 E MORGANTOWN [37.22, -86.69], 1.3 S ABERDEEN [37.23, -86.68], 0.7 N MORGANTOWN [37.23, -86.70]</b>				
	06/27/11 23:00 CST		0	Flash Flood (due to Heavy Rain)
	06/28/11 00:00 CST		0	Source: Fire Department/Rescue

Local emergency management reported that heavy rain had flooded numerous roads across the county.

<b>GRAYSON COUNTY --- 1.1 W READY [37.37, -86.49], 1.4 SSE CANEYVILLE [37.40, -86.49], 1.4 W PETH [37.40, -86.45], 0.4 NNE READY [37.38, -86.47]</b>				
	06/27/11 23:00 CST		5K	Flash Flood (due to Heavy Rain)
	06/28/11 00:00 CST		0	Source: Law Enforcement

Law enforcement reported that several roads were washed out due to flooding south of Caneyville. One vehicle was later recovered from the water.

<b>OHIO COUNTY --- 0.7 N BEAVER DAM [37.41, -86.88], 1.0 ENE TAYLOR MINES [37.38, -86.88], 1.9 ESE BEAVER DAM [37.39, -86.85], 1.7 ENE BEAVER DAM [37.41, -86.85]</b>				
	06/28/11 00:00 CST		0	Flash Flood (due to Heavy Rain)
	06/28/11 01:00 CST		0	Source: Law Enforcement

The County Emergency Dispatch reported that many primary and secondary roads were flooded and closed countywide.

<b>WARREN COUNTY --- 1.7 E SUNNYSIDE [37.03, -86.29]</b>				
	06/28/11 00:50 CST		0	Thunderstorm Wind (EG 52 kt)
	06/28/11 00:50 CST		0	Source: Law Enforcement

County Emergency Dispatch reported that several trees were downed both in Plum Springs and 4 miles east of Plum Springs along Glasgow Road.

<b>WARREN COUNTY --- GREENWOOD [36.93, -86.42]</b>				
	06/28/11 00:50 CST		0	Thunderstorm Wind (EG 52 kt)
	06/28/11 00:50 CST		0	Source: Law Enforcement

Local law enforcement reported several trees were downed along Scottsville Road.

<b>EDMONSON COUNTY --- 1.5 SSW HUFF [37.23, -86.38], 1.6 SW HUFF [37.23, -86.39], 1.9 NNW SEGAL [37.23, -86.39], 1.6 SSW HUFF [37.23, -86.38]</b>				
	06/28/11 01:02 CST		0	Flood (due to Heavy Rain)
	06/28/11 02:00 CST		0	Source: CoCoRaHS

Over four and one half inches of rain fell within several hours, including two inches over the hour ending at 1 am CST.

<b>SIMPSON COUNTY --- 0.7 N FRANKLIN [36.73, -86.57]</b>				
	06/28/11 01:38 CST		0	Thunderstorm Wind (EG 52 kt)
	06/28/11 01:38 CST		0	Source: Law Enforcement

Local Emergency Dispatch reported two trees downed in the town of Franklin.

<b>WARREN COUNTY --- 0.9 SW BOWLING GREEN [36.97, -86.44], 1.4 WNW MEMPHIS JCT [36.96, -86.50], 3.0 NE BLUE LEVEL [37.01, -86.49], 2.7 W BRISTOW [37.02, -86.42]</b>				
	06/28/11 02:46 CST		0	Flash Flood (due to Heavy Rain)
	06/28/11 03:30 CST		0	Source: Broadcast Media

Local media reported that many roads were flooded in Bowling Green and elsewhere across the county.

**Strong storms containing very heavy rain and isolated damaging winds moved southeast across several counties in south central Kentucky during the early morning hours on June 28th. Several of these storms trained over the same locations, causing localized flash flooding.**